

# KAMARA EZENNA

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## PROFILE

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Creative and driven final year Software Design student at the Technological University of Shannon, with a passion for solving complex problems and building impactful applications. Proficient in programming and web development, thrives in dynamic team environments where innovation and collaboration lead to success. Eager to embrace new challenges, refine technical expertise, and contribute to developing scalable, cutting-edge solutions that make a difference.

## EDUCATION

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### Technological University of the Shannon

Sep 2022 - Current

BSc. (Honours) Software Design with Artificial Intelligence for Cloud Computing

- **Key Modules:** Web Development, Software Development, Agile Methodologies, Database

## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, HTML, CSS, JavaScript
- **Developer Tools:** Github, REST API, Postman, Visual Studio Code, Docker, PyCharm, Eclipse
- **Databases & Libraries :** MySQL, HSQLDB, NumPy, Pandas, Google ML kit

## PROJECTS

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### Movie Database Management System

- Developed a dynamic movie management system that allows users to register, log in, and manage a personalized list of movies.
- Implemented CRUD operations (Create, Read, Update, Delete) for movies using the DAO design pattern.
- Leveraged HSQLDB for database storage and performed SQL queries for robust data management.
- Ensured data consistency with input validation and foreign key constraints.
- Demonstrated understanding of MVC architecture by separating views, controllers, and data models.

### Newspaper Delivery System (Group Project)

- Built database tables and implemented CRUD functionalities for customers, delivery personnel, orders, invoices, and publications.
- Designed and tested core features including daily delivery docket generation and automated monthly invoicing.
- Created UML diagrams (use case, class, and activity) to model system components.
- Employed Git for version control and collaborative workflow management.
- Participated in testing and debugging to ensure system reliability and data accuracy.

## PROFESSIONAL EXPERIENCE

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### Software Engineering Intern, Autoscale

Jan 2025 - May 2025

- Developed an application to convert scanned documents, PDFs, and handwritten text into searchable digital data.
- Added features for camera capture, PDF rendering, text editing, and local storage.
- Integrated Machine Learning Kit for text recognition and database connectivity.
- Gained hands-on experience in Android development, machine learning integration, and teamwork.